

Title (en)  
PRODUCING DYED THREAD

Title (de)  
HERSTELLUNG EINES GEFÄRBTEN GARNES

Title (fr)  
PRODUCTION DE FIL TEINT

Publication  
**EP 1244835 B2 20100421 (EN)**

Application  
**EP 01900189 A 20010108**

Priority  
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• GB 0000416 A 20000111

Abstract (en)  
[origin: WO0149917A1] There is disclosed a method for producing a package of dyed thread, comprising: producing a package of undyed thread on a user package support which is dye permeable; and dyeing the thread on the user package support to produce a user package of dye thread; the package being wound so as to be suitable both for dyeing and orderly unwinding in use.

IPC 8 full level  
**D06B 5/16** (2006.01); **D06B 23/04** (2006.01)

CPC (source: EP US)  
**D06B 5/16** (2013.01 - EP US); **D06B 23/042** (2013.01 - EP US)

Citation (opposition)  
Opponent :  
• US 5746073 A 19980505 - WISE GORDON A [US], et al  
• US 5490401 A 19960213 - WISE GORDON A [US], et al  
• EP 0233365 A2 19870826 - ZIMMERMANN FA JOS [DE]  
• DE 19746656 A1 19980610 - AMANN & SOEHNE [DE]  
• A. GRABER: "Logistik in der Garnfaerberei, Vortrag zum ITV Kolloquium "Transport und Handhabung in der Textilindustrie", MELLIAND TEXTILBERICHTE 12/1992, 20 May 1992 (1992-05-20), pages 965 - 968  
• M. PETER UND H.K. ROUETTE: "Handbuch der Technologie, Verfahren, Maschinen", 1989, DEUTSCHER FACHVERLAG, article "Grundlagen der Textilveredelung", pages: 367 - 371  
• H.K. ROUETTE: "Lexikon der Textilveredelung", vol. 1, 1995, LAUMANN VERLAG, DUELMEN, pages: 722 - 723

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Designated extension state (EPC)  
RO

DOCDB simple family (publication)  
**WO 0149917 A1 20010712**; AT E293714 T1 20050515; AU 2386601 A 20010716; BG 106904 A 20030331; BG 64630 B1 20050930; CN 1276140 C 20060920; CN 1394246 A 20030129; DE 60110201 D1 20050525; DE 60110201 T2 20060119; DE 60110201 T3 20101125; EP 1244835 A1 20021002; EP 1244835 B1 20050420; EP 1244835 B2 20100421; ES 2240392 T3 20051016; HK 1054578 A1 20031205; HK 1054578 B 20070404; MX PA02006750 A 20040910; PT 1244835 E 20050930; RU 2002120926 A 20040120; RU 2256732 C2 20050720; US 2003056299 A1 20030327; US 6921421 B2 20050726

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**GB 0100053 W 20010108**; AT 01900189 T 20010108; AU 2386601 A 20010108; BG 10690402 A 20020705; CN 01803455 A 20010108; DE 60110201 T 20010108; EP 01900189 A 20010108; ES 01900189 T 20010108; HK 03105211 A 20030718; MX PA02006750 A 20010108; PT 01900189 T 20010108; RU 2002120926 A 20010108; US 18758502 A 20020702